Geotextiles
High-strength geosynthetics for reinforcing soils and strengthening roads and slopes.
Geosynthetics

Armtect carries a full line of woven and non-woven geosynthetics manufactured from polyester or polypropylene. High-strength geosynthetics are commonly used in reinforced soil structures such as retaining walls, over-steepened slopes and embankments constructed on weak soils. Low upfront cost and highly predictable performance makes them a particularly cost-effective solution in soil engineering.

Geosynthetics are available in a range of weights and strengths to suit design requirements and site conditions.

**Strength**
- Immediate strength development in buried applications

**Durable**
- Excellent long-term performance

**Easy installation**
- Assures desired performance

**Multi-purpose**
- Can be combined with other Armtect solutions for additional strength and cost savings

“Given the constraints of the project, both physical and budgetary, the combination of the Armtect Bridge-Plate structure and the geotextile reinforced soil walls provided the best overall solution to the traffic and construction staging issues presented by the Noisy River site.”

**Steven Riley, P.Eng.**
Project Manager
R.J. Burnside and Associates

**TYPICAL APPLICATIONS**
Base reinforcement and soil stabilization for:  
• Roadways  
• Parking Lots  
• Railways

**EROSION CONTROL BLANKETS**

Promote the rapid establishment of newly planted or seeded vegetation-

**Erosion protection**
- Reduces soil loss due to runoff, protects against wind and rain shear.

**Rapid seed germination**
- Suppresses weeds, enhances root development.

**Variety**
- Straw and coconut fibre blankets, synthetic fibre mats and heavy-duty synthetic turf reinforcement mats.

**GEOCELL**

Cellular confinement system strengthens weak soils-

**Strength**
- Creates an engineered-grade composite with the characteristics of strong granular soils.

**Performance**
- Documented and factory-tested properties.

**Economical**
- Reduces the need for expensive granular materials.
“The headwalls of the Multi-Plate structures were geosynthetic reinforced composite retaining walls. The headwall system consisted of green facia Geocells and uni-axial Geogrid for reinforcement. The Geocell facia allowed for vegetation growth while providing erosion protection. Within the Outaouais region, this project is used as a model for this type of urban development.”

The City of Hull, Quebec

SILT FENCE

Controls and filters silt-laden runoff during site development and construction—

Functional
Screens silt and sand particles suspended in the surface flow.

Optimal design
Optimum opening size for both soil filtration and water retention.

Durable
UV-stabilized, woven polypropylene fibres.

GEOTEXTILES

Woven and non-woven geotextiles made from polyester or polypropylene—

Versatile
Used for soil reinforcement and strengthening, soil separation, road base reinforcement, slope separation and asphalt strengthening.

Readily available
Consistent product availability.

High tensile strength
Puncture and burst resistant.

GEOGRIDS

Open-mesh polymer-based geosynthetics—

Performance
Combines the tensile strength of the synthetic Geogrid with the friction and interlock properties between the soil and the Geogrid.

Uni-axial Geogrids
For embankments over weak soils, steep slope reinforcement, void bridging in weak soils and MSE retaining walls.

Bi-axial Geogrids
For base reinforcement and soil stabilization for roadways, parking lots and railways.
Armtec is environmentally conscious by supporting limited paper usage.

Find out how Geotextiles can be used on your next project. Call 1-800-565-1152 or visit armtec.com

**ATLANTIC**
- Shediac, NB
- Sackville, NB
- Truro, NS
- Bishop’s Falls, NL
- St. John’s, NL

**CENTRAL**
- Cambridge, ON
- Comber, ON
- Forest, ON
- Guelph, ON
- Orangeville, ON
- Peterborough, ON
- Sudbury, ON
- Thunder Bay, ON
- Walkerton, ON
- Woodstock, ON
- St-Augustin, QC
- St-Clet, QC

**PRAIRIES**
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- Edmonton, AB
- Grande Prairie, AB
- Ponoka, AB
- Redwater, AB
- Winnipeg, MB
- Regina, SK
- Saskatoon, SK

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- Genelle, BC
- Langley, BC
- Nanaimo, BC
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